

CECW-EE

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Manual
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**Engineering and Design
HYDROELECTRIC POWER PLANTS
MECHANICAL DESIGN**

- 1. Purpose.** The purpose of this manual is to provide guidance and criteria pertinent to the design and selection of hydroelectric power plant mechanical equipment and systems.
- 2. Applicability.** This manual is applicable to all HQUSACE elements, major subordinate commands, districts, laboratories, and separate field operating activities having responsibility for civil works projects.
- 3. General.** This manual discusses many items related to the planning and design of powerhouse mechanical equipment and systems. It is not intended as a comprehensive, step-by-step solution to powerhouse mechanical design, but as an experience-oriented guide and a basis for resolving differences of opinion among competent engineers at all levels.

FOR THE COMMANDER:



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